USER MANUAL
Safety anchor for prefab concrete slabs type APV 018025A

According 89/686/EEC

EC type-examination by:
SGS United Kingdom Ltd., Ellesmere Port, CH65 3EN, United Kingdom
(certificate number 040302, notified body number 0120)

Production controlled under article 11B by:
Lloyd's Register Quality Assurance, Hiramford, Siskin Drive, Coventry, UK, CV3 4FJ.
(notified body number 0088)

The safety anchor consists of the following parts:

- The anchor clamp with anchor rope and opening grip
- Weight anchor clamp is approx. 12 kg
- Lanyard with quick-acting carabine hook and triangle (adjustable from 1.4 – 2 metres)
- Shock absorber (length is 0.3 metres)
- The harness with the D-ring on the back side

The registration numbers of the above mentioned parts will be stated on the certificate.

Project number	:	14223
Manufacturer anchor clamp	:	**Leenstra Machine- en Staalbouw B.V.**
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INITIAL CHECK

Is the safety anchor suitable for the slabs you are working with (see figure 1)?
The anchor fits almost all brands of prefab floor slabs.

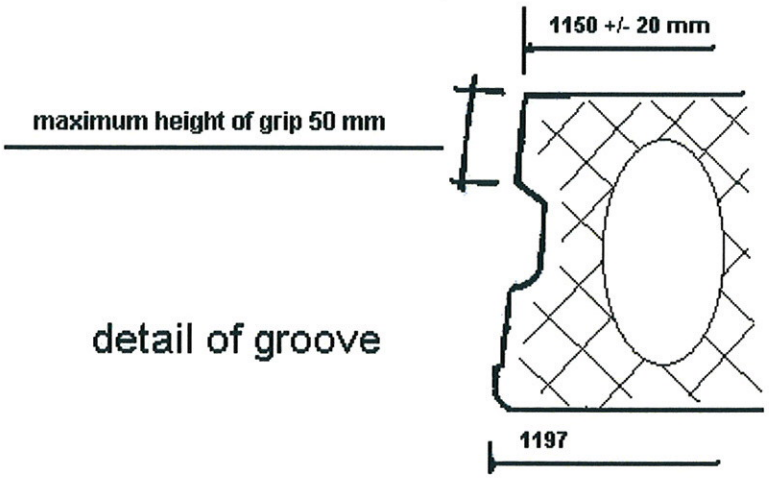

Figure 1

Note when using the safety anchor:

- The quality of the profile the clamp seizes upon must be visually checked for cracks or other signs of quality defects.
- Is the width of the floor slabs 1.2 metres?
- Does the gripping plate fit fully into the groove?
- Is the safety anchor suitable for the purpose you are using it for?
- Is the condition of the safety anchor still suitable for use, for example:
  Are the straps not damaged or torn?
  Is the rope in the clamp not damaged?
- Is the spring still putting the clamp in the groove under tension?
- Does the harness fit the person who is using it?
- Test that the clamp functions with the floor element by pulling on the anchor rope with each placing.

COOPERATION WITH THE CRANEDRIVER

During the supplying of the concrete slabs, the crane driver must be aware of the fact that the riggers are restrained in their movement.

USE OF THE SAFETY ANCHOR

The law prescribes using a safety device when working at a level above 2.5 metres. The safety anchor is mandatory in areas where other preventive measures are not possible or functional.

Safety harness (see figure 2)

Put the harness on at a safe place.

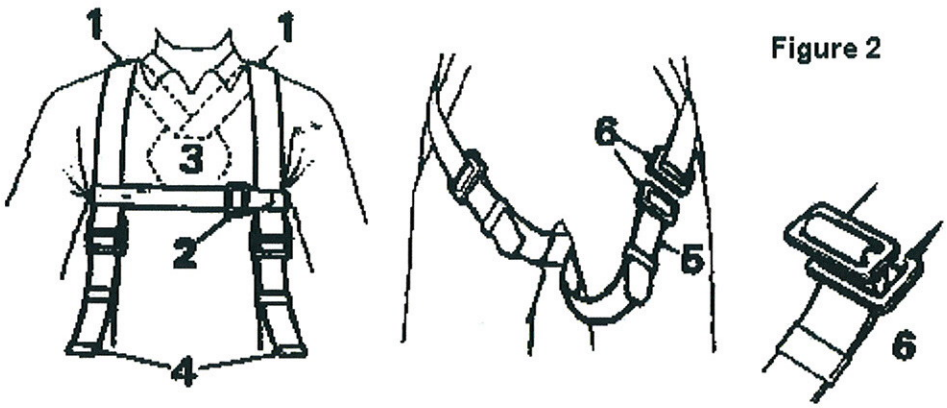

Figure 2

- Pick up the harness at rear 'D' ring (3), make sure the straps are not twisted.
- Put your arms through the shoulder straps (1).
- Fasten chest clip (2), adjust until the shoulders straps (1) are pulled to vertical.
- Adjust the position of the rear 'D' ring (3) using the straps (4), until the 'D' ring is situated right between the shoulder blades.
- Pull the leg straps (5) forward between the legs and put them through the thread buckles (6) until they fit comfortably around the thighs.
- Make sure all loose straps are pulled through the tags. The safety anchor may **not** be used if the harness does not fit and is therefore not suitable for the user.

Lanyard with shock absorber

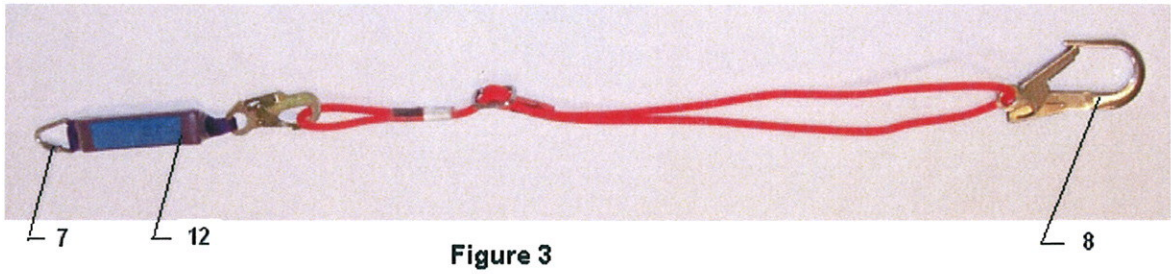

Figure 3

Initial check of the shock absorber with lanyard (see figure 3)

- Before each use check if the lanyard is sound.
- Check if the outer cover sleeve of the shock absorber is sound and that no webbing has been pulled from the sleeve.
- When the above mentioned is not the case, the safety anchor may **not** be used.
- The total length from centre of anchor up to D-ring of the harness is 2+0.3+0.4=2.7 metres. Bear this in mind when placing the clamp (see figure 5 a and b).

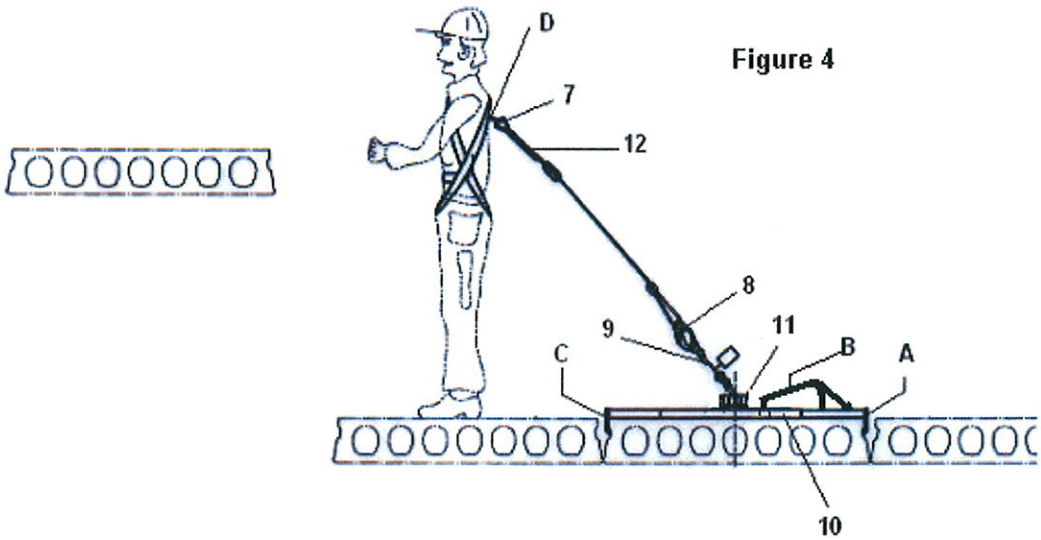

Figure 4

- Fasten the lanyard and shock absorber (12) with connector (7) to D-ring (3).
  Do not fasten it upside down.
- Fasten the connector (8) to the white red line (9) of the anchor clamp.
- Make sure the triangle (7) is secured in the right way.
- Check if the interlocking of the other connectors is functioning correctly (8 and 12).
- When entering the workstation, the user must make sure there is no danger of falling.
- **Warning.**
  All prescribed security devices have to be applied as stated in figure 4.
  It is very dangerous when used in another way.
  Leenstra Machine- en Staalbouw b.v. takes no responsibility when other devices are used in combination with the anchor!

LOCATION OF THE ANCHOR CLAMP

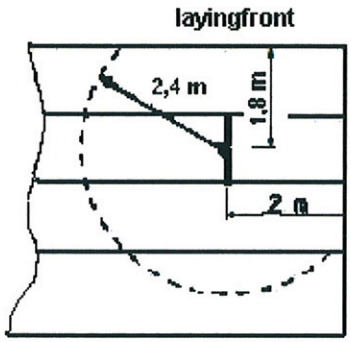

Figure 5a

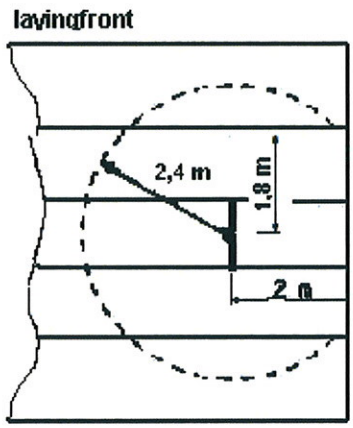

Figure 5 b

The anchor clamp must be positioned in such a way that if and when the person using the safety anchor falls, he or she should always stay free from the "ground".

Shorten the lanyard if necessary.

POSITIONING THE ANCHOR CLAMP

- See figure 4
- Place the anchor clamp in such a way that the grip is located away from the laying front. **Warning: the clamp is an obstacle on the floor, beware of stumbling.**
- Hook grip 'C' in the groove of the slab.
- Pull out the clamp with handle 'B' until the grip (A) hooks around the groove on the other side of the slab.
- Check if the angled sides of the grip fit properly into the grooves.
- Make sure that the anchor clamp tightens itself when pulling the anchor line (9) square to the clamp.
- Make sure the anchor line (9) moves freely around the pulley (10) and through the nylon block (11).
- Pull the anchor rope so that you can test whether the clamp is locked well after each installation.

REPOSITIONING THE ANCHOR CLAMP

- See figure 4
- Pull with handle 'B' the clamp apart and lift the clamp out of joint of the concrete slab.
- Be sure there is no danger of falling whilst moving the clamp.

THE COMPLETE SAFETY ANCHOR MAY NOT BE USED ANYMORE AND HAS TO BE RECERTIFIED BY THE MANUFACTURER, in case:

- **one or more parts of this safety anchor are damaged or broken,**
- **there is any doubt about the condition of the safety anchor,**
- **the safety anchor has been actually used to stop a fall.**

INSPECTION – CERTIFICATION

This safety anchor meets the standards EN 353, 354, 355, 358, 360, 361, 362, 363 and 795 class B.

Before use the safety anchor has to be checked thoroughly for faults.

The complete safety anchor has to be inspected at least once a year by an expert above user level. This inspection has to be recorded in writing.

When using any parts other than listed on the first page of this manual, the certificate is invalid.

Leenstra Machine- en Staalbouw B.V. can carry out the inspections and certificating for you.

Warning

In the above instructions you will find the recommended applications for this safety unit and the attending specifications to which the hollow core element must conform for safe use. Leenstra Machine- en Staalbouw B.V. cannot be held responsible for any form of incorrect use of the fall arrest system nor for application with an element that does not conform to the stated specifications. For elements that do not conform to the stated specifications or if there is any doubt as to suitability of the application, immediately contact Leenstra Machine- en Staalbouw B.V. If necessary Leenstra Machine- en Staalbouw B.V. can test the suitability of the application at our works with a specimen floor element.